

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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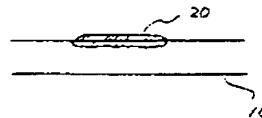
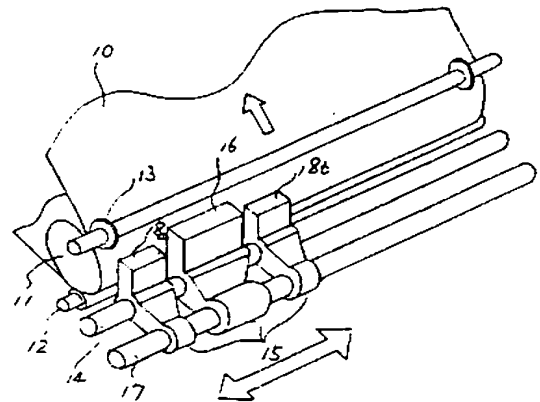
APPLICATION DATE : 30-09-88  
APPLICATION NUMBER : 63246708

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INVENTOR : KANBAYASHI KENICHI;

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TITLE : INK JET RECORDER



ABSTRACT : PURPOSE: To improve fixing strength by providing a thermal head for thermally fixing ink composition after flying and adhering.

CONSTITUTION: An ink jet head 16 has a plurality of nozzles capable of controlling injection of ink droplets independently of the head 16, swept in the axial direction of a platen, and ink droplets are selectively discharged from the nozzles to form an ink image on a recording sheet 10. Thermal heads 18a, 18b having a plurality of heaters capable of controlling dot heating independently follow the head 16, and scanned axially of the platen. In case of unidirectional printing, only the head 18a is heated. In case of bidirectional printing, the head 18a is heated at the time of rightward printing, while the head 18b is heated at the time of leftward printing, and an ink image formed by the head is selectively heated and fixed. Thus, the dots are blurred flatly, the dots are partly resolidified in a state of penetration into fiber near the surface of a recording sheet. Accordingly, fixing strength is satisfactory, scuffing resistance is provided, and high adhesive properties, high printing quality can be obtained.

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